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(71)Applicant : NIPPON UNICAR CO LTD

(72)Inventor : YUZAWA NOBUTAKA  
SAKAMOTO TOSHIO  
FURUKAWA TAKASHI  
ISHIHARA KOJI

## (54) ETHYLENE RESIN COMPOSITION AND ELECTRIC WIRE/CABLE COATED WITH IT

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an ethylene based resin composition which coats a communication electric wire/cable where a dielectric loss tangent is less than before while stability in heat-resistance is improved, and to provide a communication electric wire/cable, suitable for high-frequency transmission coated with the resin composition where the attenuation amount and dielectric loss are improved for stability in heat-resistance.

**SOLUTION:** The ethylene resin composition, comprising an ethylene resin and antioxidant, is provided which comprises a hindered phenol type antioxidant and aryl amine type antioxidant where the antioxidant contains no ion, for coating the communication electric wire/cable. A foaming ethylene resin composition which contains a chemical foaming agent is provided for coating a foam communication electric wire/cable. Further, the communication electric wire/ cable is provided which is coated with the ethylene resin compositions.

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